THE RADIOACTIVE IONS BEAMS FACILITY IN BRAZIL (RIBRAS)*

R. Lichtenthäler, A. Lépine-Szily, V. Guimarães, M.S. Hussein, C. Perego, V. Pacco, O. Camargo Jr., R. Denke, P.N. de Faria, E.A. Benjamim, R.Y.R. Kuramoto, N. Added G.F. Lima,
Institute of Physics of the University of São Paulo, 05508-900, São Paulo, Brazil
J. Kolata
UND- USA
A. Arazi
Tandar - Argentina

A double superconducting solenoid system (RIBRAS) for the production of secondary light exotic beams has been installed at the São Paulo, Brazil Pelletron Laboratory. The two solenoids are presently installed in one of the beam lines of the 8 MV, Tandem acceleartor and, in a later stage, they will be moved to the LINAC pos-accelerator of $10A.MeV$. The RIBRAS system is similar to the UND-TWINSOL system, with a larger field integral $5T.m$ and 6.5T maximum central field in order to operate following the LINAC.

Secondary beams of ^8Li and ^6He using a ($E = 30$MeV, $200\eta A$) ^7Li primary beam and a ^9Be primary target have been produced with intensities of $10^5 part/s$ of ^8Li and $10^4 part/s$ of ^6He. We performed measurements of elastic scattering angular distributions of ^8LI and ^6He in a Vanadium-51 target.

* FAPESP proc. no. 01/06676-9